REFERENCE: 19

IDEM. Pre-CERCLIS Screening assessment Checklist/Decision Form, and Pre-CERCLIS Screening Report for Lane Street Ground Water Contamination Report for Lane Street Ground Water Contamination.

September 17, 2007. EPA. 15 pages

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets for the narrative.

Checklist Preparer: Mark Jaworski/Environmental Manager (Name/Title) — 9/17/07 (Date)

100 North Senate Avenue, Indianapolis, Indiana (Address) — 317/233-2407 (Phone)

mjaworsk@idem.IN.gov (E-Mail Address)

Site Name: Lane Street Ground Water Contamination

Previous Names (if any):

Site Location: Lane Street and County Road 106 (Street)

Elkhart (City) Elkhart (County) IN (ST) 46514 (Zip)

(Congressional District)

Latitude: 41° 43' 0.64"N **Longitude:** 085° 55' 15.22"W

With regards to the Latitude and Longitude, please provide the following information: Accuracy in Meters +/-, Collection Method, Reference Datum, Reference Point, Source Map Scale, Point/Line/Area; Collection Date; Verification Method (see attached):

Complete the following checklist. If "yes" is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?	☐	☒
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	☐	☒
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	☐	☒
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	☐	☒
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	☐	☒
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	☐	☒
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?	☐	☒
9. Is there documentation indicating that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?	☒	
10. Is there an apparent release at the site with no documentation of exposed targets, but there are targets on-site or immediately adjacent to the site or nearby (within 1 mile)?	☐	☒
11. Are there no releases or potential to release?	☐	☒

Please explain all "yes" answer(s), attach additional sheets or refer to narrative:

Site Determination: ☒ Enter the site into CERCLIS. Further assessment is recommended (explain below).

☐ The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE: The site lies in a predominantly residential area providing many potential targets in the event of an off site release of hazardous materials. In October 2006, a Phase I Environmental Site Assessment (ESA) was conducted for the Geocel facility located at 53280 Marina Road in Elkhart, Indiana. The ESA concluded that a subsurface investigation should be completed in the vicinity of a former (PCE) UST. The UST was removed in 1986. Subsequent investigations in this area indicated that a release of chlorinated solvents had occurred to the ground water pathway. The chlorinated solvents were found to have migrated off site to the south into a residential area. All residents in this area obtain drinking water from individual private wells. The water in many of the residential wells was found to contain elevated levels of volatile organic compounds. Geocel supplied carbon filters to the residents.

Geocel alerted IDEM and the Elkhart County Health Department about the ground water contamination and applied to IDEM's Voluntary Remediation Program (VRP). Geocel was accepted in the program on July 12, 2007.

Geocel's investigation concluded that the ground water contamination was confined to an area bordered by Kershner Street to the west, the Geocel facility to the north, County Road 113 to the east, and Crestwood Street to the south.

On August 22, 2007, Site Investigation of the Indiana Department of Environmental Management (IDEM) staff received a call from the Elkhart County Health Department (ECHD). The ECHD stated that a resident located at 43514 Lane Street had submitted a sample of her drinking water to the Water Quality Laboratory at Heidelberg College in Tiffin, Ohio. The analysis of the water revealed highly elevated levels of trichloroethylene (1560 µg/l) and other break down products. Geocel is denying responsibility for the contamination on Lane Street because the ground water contamination lies outside of their area of influence, and that the ground water plume appears to be another plume consisting of other contaminants not detected on Kershner St.

On August 23, 2007, Site Investigation conducted a site visit on Lane Street along with John Hulewicz of the ECHD. Staff noted that approximately 25 homes lie due south of the 43514 Lane residence. All 25 homes were found to utilize private wells for drinking water. These wells are within the direction of ground water flow (south-southwest) from the residence at 43514 Lane Street and may be subject to elevated levels of trichloroethyene in their drinking water.

Site Investigation Staff recommends that a Preliminary Assessment be conducted to further assess the impact of volatile organic compounds to the residential private wells on Lane Street and to the north within the industrial park located to the north.

EPA Regional Review and Site Assessment Decision

Check the box(es) that apply:

☐ **Not a Valid Site or Incident**

☐ **Incident for Further Action Under CERCLA**

Recommended Further Action:

☐ **APA**

☒ **Full PA**

☐ **Combined PA/SI**

☐ **SI**

Defer/Refer to:

- ☐ Removal Program
- ☐ State/Tribal Program
- ☐ RCRA
- ☐ Brownfields
- ☐ Other: _____

Regional EPA Reviewer: LAURA J. RIPLEY /Laura J. Ripley 11/14/2007
Print Name/Signature Date

State Agency/Tribe: Mark Jaworski /Mark Jaworski 9/17/07
Print Name/Signature Date

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EPA-540-F-98-039
OSWER 9375.2-11FS
Updated by EPA – Region 5

October 1999
PB98-963310
May 2006

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PRE-CERCLIS SCREENING REPORT

for:

Lane Street Ground Water Contamination
Elkhart, INDIANA

PREPARED BY:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY
SITE INVESTIGATION

September 24, 2007

Signature Page

for
Lane Street Groundwater Contamination
Elkhart, Indiana
ELKHART County

Prepared by: _____ Date: 9/24/07
Mark L. Jaworski, Project Manager
Site Investigation Section
Indiana Department of Environmental Management

Approved by _____ Date: 9/24/07
Tim Johnson, SEM 1
Site Investigation Section
Indiana Department of Environmental Management

Approved by: _____ Date: 10/17/07
Gabriele Hauer Chief
Site Investigation Section
Indiana Department of Environmental Management

Approved by: _____ Date: _____
EPA Site Assessment Manager

TABLE OF CONTENTS

0 7

SECTION 1.0 INTRODUCTION

The Site Investigation Section of the Indiana Department of Environmental Management conducted a Pre-CERCLIS Screening Assessment (PCS) at the Lane Street Ground Water Contamination site in Elkhart, Indiana. The site is located at the corner of County Road 106 and Lane Street in Elkhart County. The latitude and longitude for the site is 41° 43' 0.64"N Longitude: 085° 55' 15.22"W. The PCS is performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) commonly known as Superfund.

A PCS is a review of information on potential Superfund sites to determine whether the site should be entered into U.S. EPA's Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS). If, over the course of the investigation, there is sufficient information to suggest the site is impacting human health or the environment, the site can be placed in CERCLIS and will progress through the Superfund investigative process.

SECTION 2.0 SITE BACKGROUND

The site was reported to IDEM from a representative of the Elkhart County Health Department (ECHD). The ECHD received a call from a resident who resides on Lane Street. The resident, who obtains drinking water from a private well, had her water analyzed for volatile organic compounds. The analysis revealed elevated levels (1560 ug/l) of trichloroethylene (TCE). The maximum contaminant level for TCE is 5 ug/l.

Lane Street lies adjacent to a known ground water plume that is being addressed by IDEM's Voluntary Remediation Program (VRP). The responsible party for the known ground water plume indicated that the contamination found on Lane Street is from another source because some of the contaminants in the Lane Street Wells were different than those detected in the known ground water plume and the geology of the area shows the contamination of the known ground water plume is confined to a specific area east of Lane Street.

The site lies in a predominantly residential area providing many potential targets. Approximately 26 homes on Lane Street utilize private well for drinking water. These 26 homes are located downgradient from the TCE contamination on Lane Street and may be subject to groundwater contamination.

Section 3.0 Site Description

Lane Street is bounded to the north by County Road 106, to the east by Kershner Street, to the south by another residential subdivision and to the west by farm land. The site is located in a predominantly residential area providing many potential targets. An industrial park located north of County Road 106 is comprised of numerous plant buildings and offices. Refer to the Site Location Map on page 9.

SECTION 4.0 FIELD INVESTIGATION ACTIVITIES

On August 23, 2007, IDEM staff conducted a visual site reconnaissance of the surrounding properties. The majority of residents on and around Lane Street utilize private wells for drinking water. Numerous businesses and small industry lie in an industrial park located north of County Road 106.

After the site reconnaissance, Site Investigation staff sampled the ground water from

seven private wells on and north of Lane Street including the residence that had phoned the ECHD with the elevated TCE concentration. Refer to the Lane Street Ground Water Sample Map on page 10. Analysis of the groundwater samples revealed that the drinking water in four residential wells were found to contain elevated levels of VOC's at concentrations above MCLs. Refer to Ground Water Sample Contaminant Concentration map on page 11.

SECTION 5.0 MIGRATION PATHWAYS

5.1 Ground Water

According to the Soil Survey for Elkhart County published by the Soil Conservation Service, the soils on the subject property consist of Plainfield fine sand (P1A). The Plainfield series consists of deep excessively drained, coarse-textured soils that are level to moderately sloping and occupy outwash plains and knolls. The soil is found on broad sandy outwash plains.

Approximately 26 residences on Lane Street obtain drinking water from private wells. The private wells have been completed in underlying sand and gravel deposits. The nearest municipal wells for the City of Elkhart are located approximately 2 miles to the southeast on the south side of the St. Joseph River. The municipal wells are also screened in the sand and gravel deposits. As stated in Section 4.0, the drinking water from five private residential wells was found to be impacted with volatile organic compounds.

5.2 Surface Water

The nearest surface water bodies to Lane Street are Puterbaugh Creek, located about 1 mile to the west, and the Saint Joseph River located about one and a half miles to the south. Because drainage from the subject area is controlled by a storm water collection system, the

overland flow segment of the surface water pathway, and the probable point of entry (PPE) to these streams can not be established at the time of the PCS. Both of these streams are considered fisheries. There are no known surface water intakes in these water bodies. The surface water migration pathway evaluation is considered incomplete.

5.3 Soil Exposure

Soil areas outlined within the study area of the Lane Street Ground Water Contamination are accessible to the public and workers of businesses located in the Lane Street area. There are no schools or daycare facilities within 200 feet of the site. No soil samples were collected as part of this PCS. This inspection has insufficient information to determine if the soil exposure pathway has been impacted.

5.4 Air Pathway

No air samples were taken during this inspection. Presently, there are no reports of adverse health effects resulting from the migration of hazardous substances through the air. Since no outside air samples were obtained, it is not known if there is any potential risk to nearby residents by the air pathway.

SECTION 6.0 SUMMARY AND CONCLUSIONS

The site was reported to IDEM from a representative of the Elkhart County Health Department (ECHD). The ECHD received a call from a resident who resides on Lane Street. The resident, who obtains drinking water from a private well, had her water analyzed for volatile organic compounds. The analysis revealed elevated levels (1560 ug/l) of trichloroethylene

(TCE). The maximum contaminant level for TCE is 5 ug/l.

Lane Street lies adjacent to a known ground water plume that is being addressed by IDEM's Voluntary Remediation Program (VRP). The responsible party for the known ground water plume indicated that the contamination found on Lane Street is from another source because some of the contaminants are different than those detected in the known ground water plume and that the geology of the area show the contamination of the known ground water plume is confined to a specific area east of Lane Street.

The site lies in a predominantly residential area providing many potential targets in the event of an off site release of hazardous materials. Approximately 26 homes on Lane Street utilize private well for drinking water. These 26 homes are located downgradient from the TCE contamination on Lane Street and may be subject to groundwater contamination. August 23, 2007 confirmed that the drinking water from at least four private residential wells was found to contain elevated levels of chlorinated solvents at levels above MCLs. Since a potential exist for other residential wells to contain elevated levels of VOCs staff recommends that the site be entered into CERCLIS.

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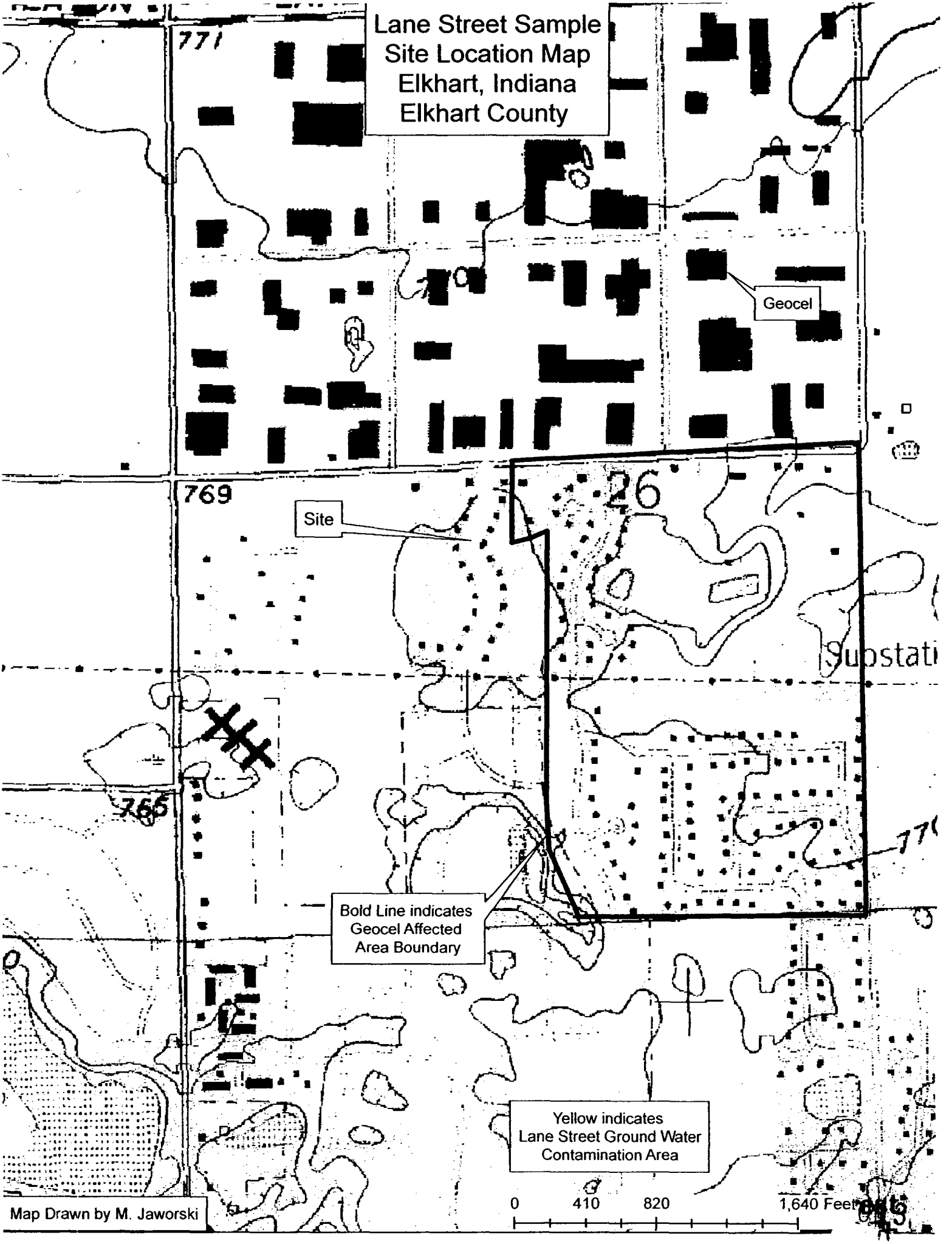
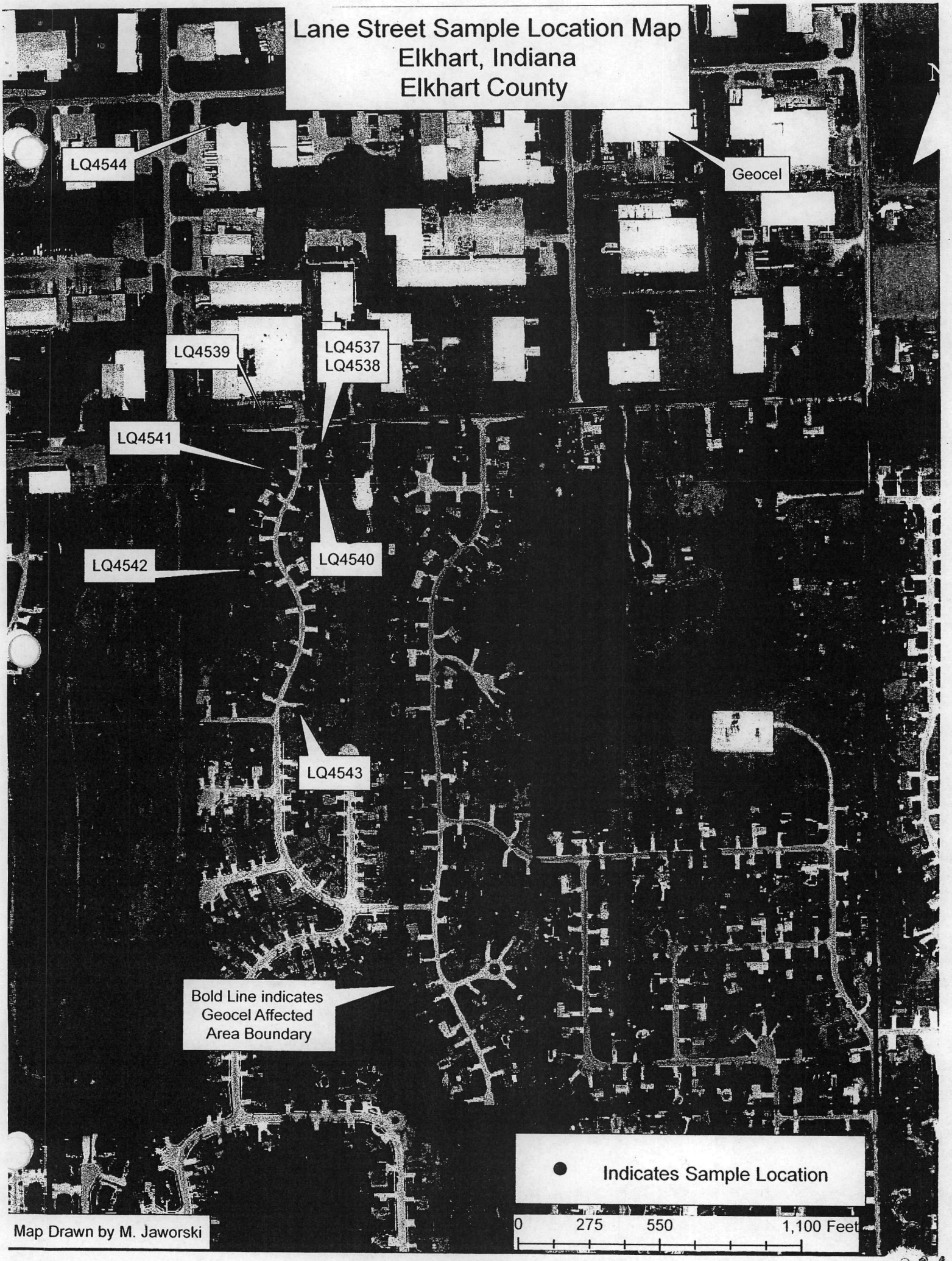
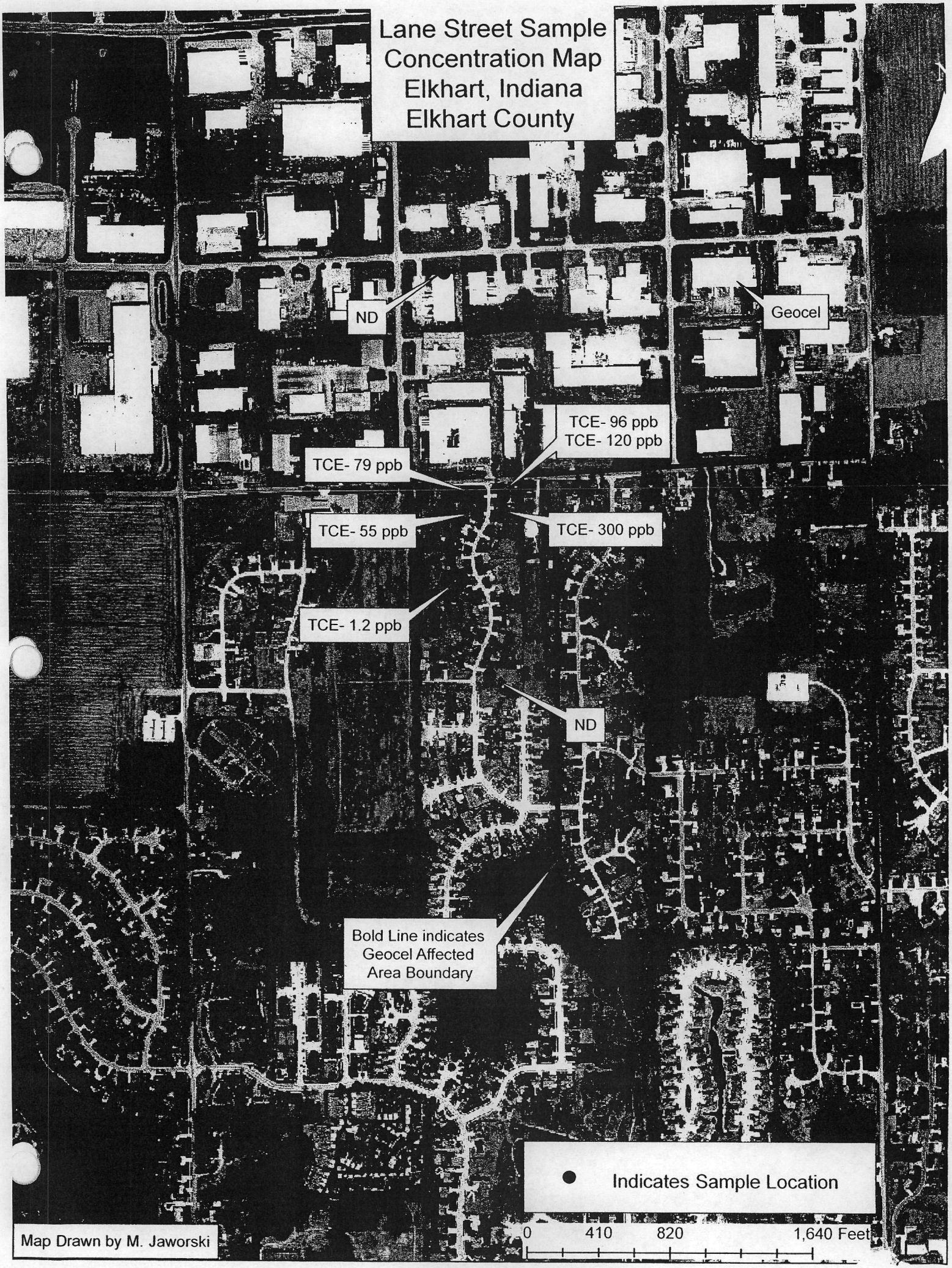

Lane Street Sample
Site Location Map
Elkhart, Indiana
Elkhart County
Geocel
Site
Bold Line indicates
Geocel Affected
Area Boundary
Yellow indicates
Lane Street Ground Water
Contamination Area
Map Drawn by M. Jaworski
0
410
820
1,640 Feet


Lane Street Sample Location Map
Elkhart, Indiana
Elkhart County
LQ4544
Geocel
LQ4539
LQ4537
LQ4538
LQ4541
LQ4542
LQ4540
LQ4543
Bold Line indicates
Geocel Affected
Area Boundary
Indicates Sample Location
0
275
550
1,100 Feet
Map Drawn by M. Jaworski

014


Lane Street Sample
Concentration Map
Elkhart, Indiana
Elkhart County
ND
Geocel
TCE- 96 ppb
TCE- 120 ppb
TCE- 79 ppb
TCE- 55 ppb
TCE- 300 ppb
TCE- 1.2 ppb
ND
Bold Line indicates
Geocel Affected
Area Boundary
Indicates Sample Location
0
410
820
1,640 Feet
Map Drawn by M. Jaworski

015